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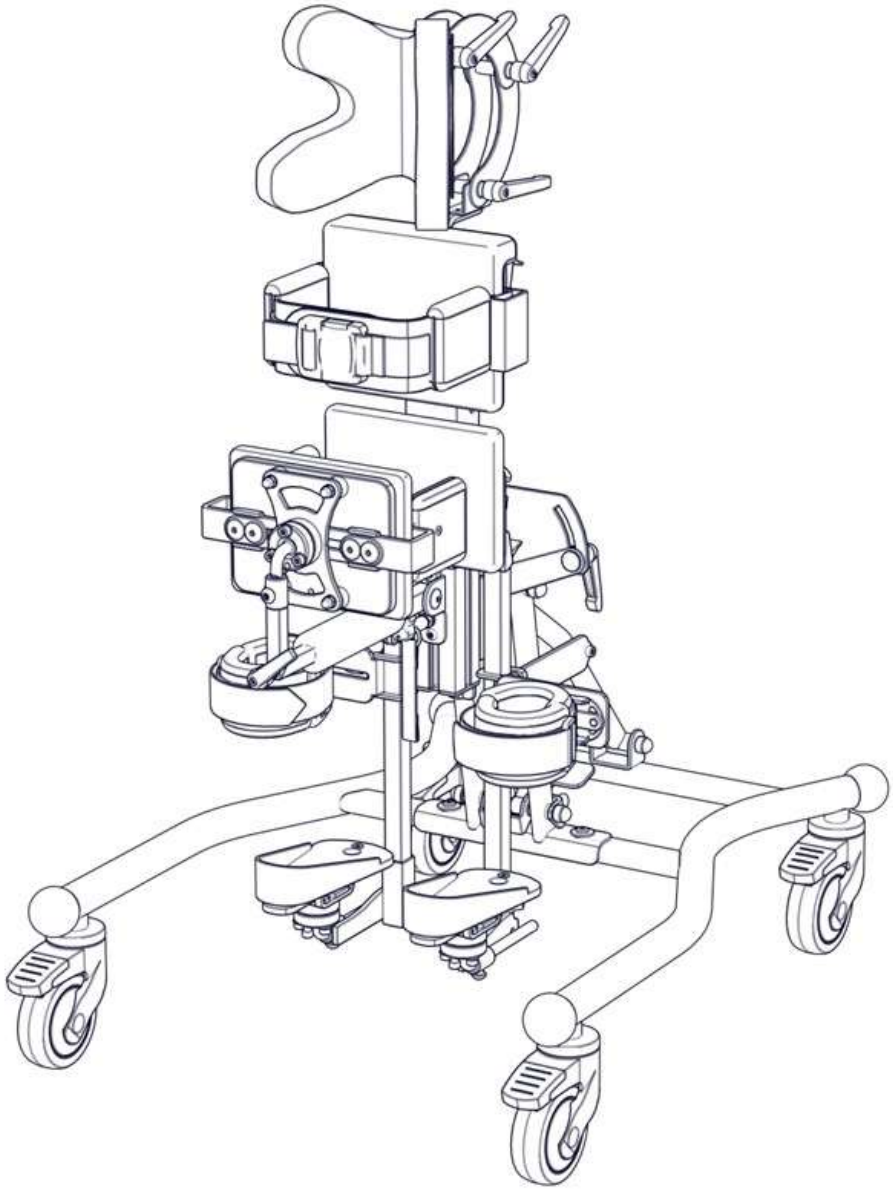
INSTRUCTIONS FOR USE
LORI Stander



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Revision 6 – 08.05.2025

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ATTENTION! DEVICE IS DEDICATED FOR INDOOR USE.
DEVICE USE TEMPERATURE RANGE +5°C » +45°C.

ATTENTION! THERE MAY BE A RISK OF TRAPPING AND/OR SQUEEZING PARTS OF THE BODY OF THE USER / ACCOMPANYING PERSON IN THE OPENINGS / SLOTS BETWEEN THE ELEMENTS WHEN USING THE PRODUCT, AS WELL AS WHEN ASSEMBLING AND ADJUSTING THE MECHANISMS. THESE PROCEDURES SHOULD BE PERFORMED WITH PARTICULAR CAUTION. WHEN ALL THE ADJUSTMENTS HAVE BEEN PERFORMED, IT IS CRUCIAL TO STABILISE THE POSITION BY PROPERLY TURNING THE NUTS / SCREWS.

ATTENTION! THE CHILD MUST NOT USE THE DEVICE WITHOUT SUPERVISION.

ATTENTION! THE DEVICE CONTAINS SMALL PARTS THAT MAY POSE A CHOKING HAZARD FOR CHILDREN. IT SHOULD ALWAYS BE USED UNDER ADULT SUPERVISION TO PREVENT ANY RISK.

ATTENTION! THE MAXIMUM LOAD OF THE STANDER MUST NOT BE EXCEEDED.

ATTENTION! DO NOT USE THE STANDER IF THE PRODUCT HAS DEFECTIVE, DAMAGED OR MISSING COMPONENTS.

ATTENTION! ADJUSTMENT AND REGULATION OF THE DEVICE TO MEET THE REQUIREMENTS OF AN INDIVIDUAL PATIENT MUST BE PERFORMED BY A PHYSIOTHERAPY SPECIALIST OR A TRAINED PERSON.

ATTENTION! IN THE EVENT OF A SERIOUS MEDICAL INCIDENT, THE USER/PATIENT SHOULD REPORT THE INCIDENT TO THE NATIONAL COMPETENT AUTHORITIES AND TO THE MANUFACTURER IMMEDIATELY

ATTENTION! THE DEVICE CONTAINS SMALL PARTS THAT MAY POSE A RISK OF CHOKING OR SWALLOWING BY A CHILD.

ATTENTION! IT IS NECESSARY TO CAREFULLY READ THE INSTRUCTIONS FOR USE BEFORE USING THE DEVICE, AND RETAIN IT UNTIL THE END OF ITS USE

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1 Introduction

The **LORI Stander** developed by LIW Care Technology Sp. z o.o. has been designed and patented to ensure an entirely new quality in rehabilitation.

We have used our best efforts to make sure that the **LORI Stander** is as easy to use as possible. It is necessary to read the user manual carefully prior to using the product. Following all instructions and recommendations included in this user manual will allow you to avoid any situations which could damage the device, and you will also ensure the complete safety and comfort of use throughout the whole period of using the product.

You will be able to fully use all the advantages offered by the product only when it is properly adjusted to the parameters of the patient's body and the specific requirements of the patient.

2 General safety conditions

It is essential that you read this instructions for use before using the appliance. Follow all the instructions in the manual, you will avoid situations where you could damage the appliance and ensure your total safety and comfort during the entire life of the product.

The biggest concern of LIW Care Technology Sp. z o.o. is to ensure safety for the patients using our devices. To provide complete safety of the persons using the device, it is essential to strictly follow the recommendations stated below:

1. Before undertaking any attempts to use the device, please read the user manual thoroughly and in case of any doubts, do not hesitate to contact the seller or the manufacturer.
2. Please make sure that all the information, recommendations and cautions included in these chapters are fully comprehensible.
3. The child must not be left in device without supervision by a career.
4. If child is using a device make sure that child is properly secure.
5. LORI is intended for use by one person at a time.
6. Incorrect use of LORI may be hazardous to health and cause injury to the user.
7. During the use and holding of the LORI and when assembling and adjusting its mechanisms, particular attention should be paid to moving parts that create a real safety hazard such as squeezing the body in openings or between components. After each adjustment, stabilize the position by carefully tightening the nuts/bolts and make sure that the upright's components are in the sated and secured position.
8. It is forbidden to transport patient in device traveling by car or by plane (as a car seat). Child cannot use device during traveling by car or plane.
9. It is forbidden to ride device up or down stairs both with or without patient.
10. It is forbidden to transport the LORI Stander when the patient is using the device.
11. The device does not contain substances that can cause danger to life or health.
12. the device does not cause interference in the electromagnetic field.

Any unauthorized modifications to the device made by the consumer are not allowed and may endanger the life or health of the user and will void the warranty.

The user manuals attached to devices manufactured by LIW Care Technology Sp. z o.o. include paragraphs marked with the word **ATTENTION**, intended to emphasize the content of the given paragraph. The significance of the above-mentioned symbol is as follows:

ATTENTION! THIS SYMBOL IS USED TO STRENGTHEN THE FOCUS OF THE READER ON THE CONTENT MARKED WITH THIS SYMBOL. FAILURE TO COMPLY WITH THE CONTENT UNDER THIS SYMBOL MAY ENDANGER THE LIFE OR HEALTH OF THE USER.

3 Indications for using the device.

A LORI Stander is a device that stands up and positions in an upright position. It is used in those diseases where verticalization is indicated and the patient has lost this function temporarily or permanently. The decision to introduce verticalization in the rehabilitation process is made by the rehabilitation doctor who writes an order for this type of equipment.

The stander is most often used in the following diseases: cerebral palsy, genetic syndromes, metabolic syndromes, muscular dystrophies, spinal muscular atrophy – SMA, paralysis of various origins, spina bifida, myelomeningocele, conditions after spinal injuries, conditions after craniocerebral injuries, conditions after strokes, posture defects, spinal scoliosis.

The device is especially recommended for children diagnosed with hip dislocation. In this case, it is particularly important to stand upright in bilateral abduction of the legs. The stander function allows you to adjust the legs in the frontal plane so that the head of the femur is properly positioned in the acetabulum. As a result, we obtain abduction that guarantees the correct positioning of the hip joint and consequently prevents dysplasia of this joint.

Indications:

- improvement of cardiovascular function,
- prevention and treatment of venous stasis,
- improving lung ventilation and preventing pneumonia,
- prevention of pulmonary embolism,
- prevention and treatment of osteoporosis,
- prevention and treatment of stasis in the urinary tract,
- improvement of intestinal peristalsis,
- improvement of mental state,
- prevention of muscle atrophy,
- prevention and treatment of contractures,
- slowing the progression and preventing subluxation of the hip joint,
- preventing and slowing down the progression of scoliosis in children and adolescents with lost gait function.

In the first period of using the equipment, it is worth getting the patient used to the new supplies. The process of accepting the equipment can take from several minutes to several days – depending on the patient's health condition. The first verticalization should take place in the presence of a physiotherapist and last up to 5 minutes, at an upright angle of 30-45 degrees, especially in patients who are in a lying position after a long hospitalization and patients in whom verticalization has not been carried out for a long time. The time spent in the device is not strictly defined and depends on the patient's health condition and the rehabilitation process. The device provides the patient with stabilization and facilitates the development of cognitive functions. It also ensures the comfort of working with the child and its safety. Upright positioning is carried out on demand several times a day and lasts from 5 to 60 minutes, depending on the recommendations of the physiotherapist or rehabilitation doctor treating the patient.

Contraindications:

Contraindications to the use of the LORI Stander coincide with contraindications to standing upright. These include:

- atypical adverse reaction to upright positioning,
- inflammation of joints of various origins,
- post-traumatic conditions after fractures of long bones with incomplete union,
- conditions after dislocation and other injuries of the joints of KKD,
- large contracture in the knee joint (see description below),
- increased body temperature,
- a large deformity around the feet, which prevents the patient from being properly loaded.

The LORI Stander device, thanks to its design, does not exclude verticalization of patients with fixed contractures of the hip and knee joint, however, due to the small degree of angle adjustment in the knee joint, special attention and control of the child is recommended in such cases. Such cases should be considered individually, and verticalization should take place under the strict supervision of a doctor or physiotherapist.

Both abduction and adduction of the limb in the hip joint should consider the presented clinical condition. Individualization is aimed at adjusting the strength and range of motion to the therapeutic program being implemented, considering the individual capabilities of the patient.

Absolute contraindications to verticalization with abduction are:

- habitual dislocation in the hip joint or neurogenic disorders causing muscle atrophy and ligament contractures, in which the achievement of successive degrees of freedom of movement must occur gradually.
- subluxation of the hip joint, in which there is an abduction in the hinge mechanism, which would further destroy the cartilage of the femoral head and the labrum.

4 Nameplate

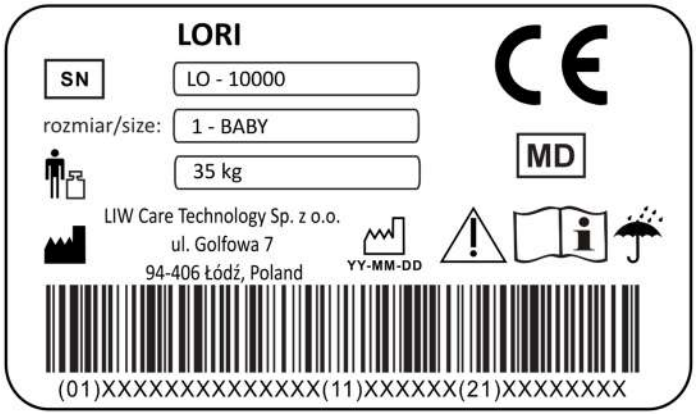

Fig. 1

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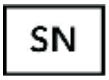
5 Identification of symbols

	Manufacturer name
	Production date
	Serial number
	Permitted user weight
	Avoid contact with water
	Follow the user manual
	Arrows indicating the direction of movement
	Conformity marking according to the Regulation 2017/745 of the European Parliament and of the Council (EU) dated from April 5th, 2017, on medical devices, Annex V.
	Medical device
	Device operating temperature.

6 Compliance with requirements concerning medical devices.

The LORI Stander meets requirements of the Regulation of the European Parliament and of the Council (EU) 2017/745 dated from April 5th, 2017, on medical devices.

LORI Stander in accordance with Annex VIII of the Regulation of the European Parliament and of the Council (EU) 2017/745 dated from April 5th, 2017, on medical devices is a non-invasive, active class I medical device according to the rule 1.

Conformity declaration of the device can be obtained in the Sales Department of the manufacturer.

ATTENTION! In case of any modification of the device, the use of non-original spare parts or use with products of another manufacturer, the CE marking must be removed.

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7 Application

The LORI stander enables the rehabilitation of patients whose conditions prevent them from maintaining a proper body position on their own. The product enables standing with the legs being raised.

ATTENTION! The device is intended for use by one person only at a time.

ATTENTION! The device should only be loaded to it's permitted limits, attaching any extra objects, leaning on it, may cause it to tip over.

ATTENTION! With extreme settings and unfavorable postures (leaning) there is an increased risk of tipping over.

ATTENTION! It is forbidden to move the device with the user.

ATTENTION! The device is suitable for move on flat and hard surfaces. Overcoming obstacles such as thresholds, edges, is only possible with the device itself, without the user.

ATTENTION! The stander must not be used as a child restraint system used in motor vehicles and is also not approved for use on board aircraft.

8 Technical data

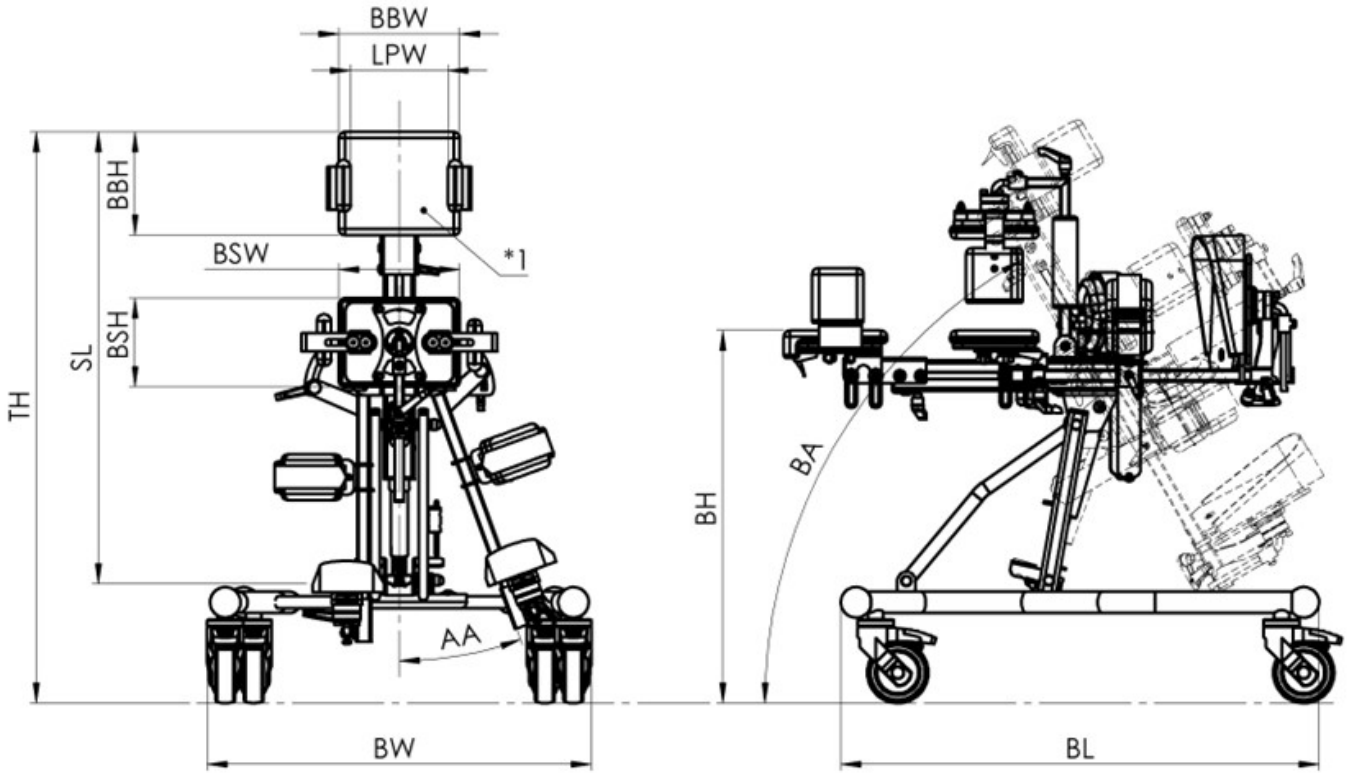

Fig. 2

No.	Dimensions	Symbol	Size [imperial]		Size [metric]	
			1	2	1	2
			Baby	Junior	Baby	Junior
1	Base width	BW	25 in	25 in	63 cm	63 cm
2	Base length	BL	31 in	31 in	78 cm	78 cm
3	Total height (without headrest)	TH	37 in	47 in	94 cm	120 cm
4	Platform height in horizontal position	BH	23.5 in	29.5 in	60 cm	75 cm
5	Platform length	SL	17 ÷ 30.7 in	21.6 ÷ 42.5 in	44 ÷ 78 cm	55 ÷ 108 cm
6	Pivot angle range	BA	90° ÷ -8°	90° ÷ -15°	90° ÷ -8°	90° ÷ -15°
7	Lateral support spacing	LPW	44 ÷ 7.8 in	6.6 ÷ 9.8	12 ÷ 20 cm	17 ÷ 25 cm
8	Pelvic support height	BSH	5.9 in	7.8 in	15 cm	20 cm
9	Pelvic support width	BSW	7.8 in	9.8 in	20 cm	25 cm
10	Trunk support height	BBH	7 in	8.6 in	18 cm	22 cm
11	Trunk support width	BBW	7.8 in	9.8 in	20 cm	25 cm
12	Abduction angle	AA	0° ÷ 40°	0° ÷ 40°	0° ÷ 40°	0° ÷ 40°
13	Maximum user weight		77 lb	110 lb	35 kg	50 kg
14	Total device weight		44 lb	48.5 lb	20 kg	22kg

*1) The device has the ability to fit trunk/pelvic supports from size 1 and 2 regardless of the size of the device.

9 LORI Stander – design

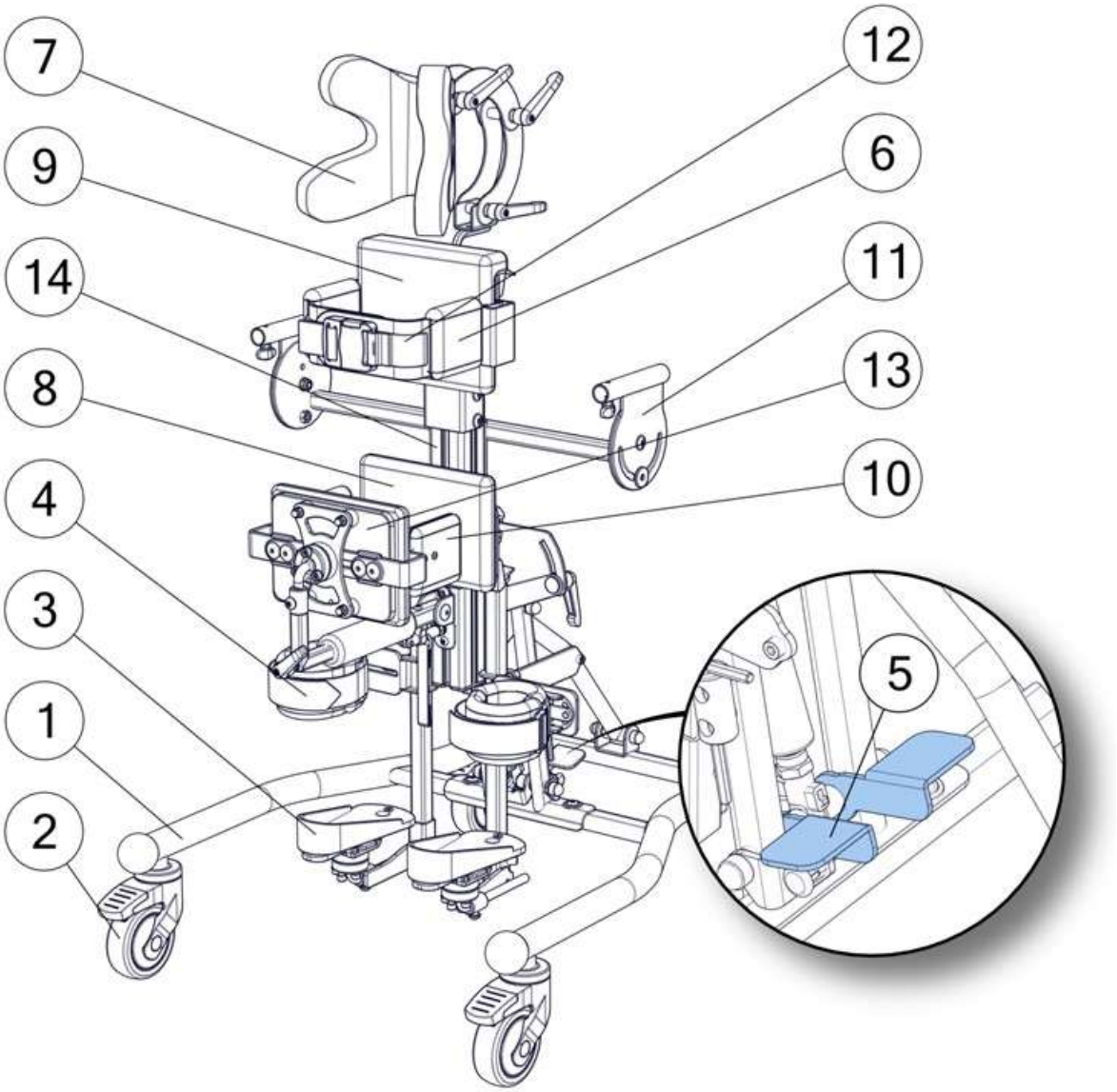

Fig. 3

1. Standing frame
2. Wheels
3. Foot platform
4. Knee support
5. Vertical position release handle
6. Trunk lateral support
7. Headrest
8. Main pelvic support
9. Main trunk support
10. Pelvic lateral support
11. Table support
12. Trunk/pelvic positioning strap
13. 3D back rotational support with pelvic supports
14. Column

10 Detailed description of the construction and adjustments of the LORI Stander

ATTENTION! After each adjustment, it is crucial to make sure that all assembled and adjusted elements are properly mounted and secured.

10.1 Necessary regulation tools

Tools are required to fully adjust the unit and accessories:
H4 - Allen key 4
H5 - Allen key 5

10.2 Assembly of the stander

In the event that the delivered product or packaging is damaged, the supplier and the product manufacturer must be notified. The package contains the LORI Stander together with accessories depending on the equipment version ordered. A space of approximately 1.5 m2 is required for installation/assembly, operation and maintenance of the device.

ATTENTION! When assembling the frame, special attention should be paid to the possibility of limbs being trapped by moving parts.

ATTENTION! After assembly of the device, make sure that all adjusting screws are tight. Loose components may cause the adjustable components to move automatically, which may result in patient injury.

The Stander is delivered in two parts: standing frame and column. To assemble the standing frame, perform the following actions:

10.2.1 Disassembly of the frame

Fig. 4 To disassemble the frame, first unscrew the screws (1), then set the frame support (2) in the correct position. After setting the frame support, the previously unscrewed screws (1) should be screwed to the frame through the support openings.

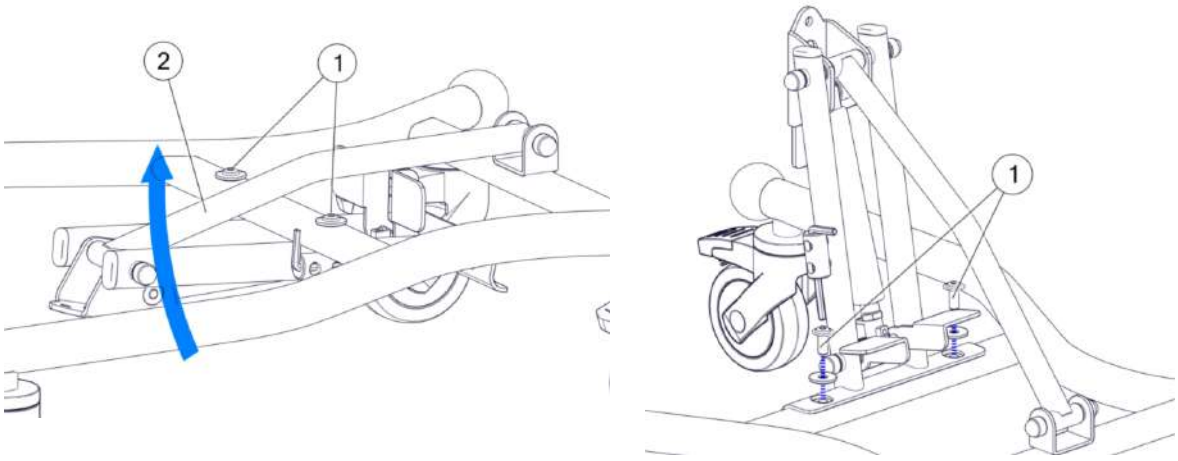

Fig. 4

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10.2.2 Installation of the column

Fig. 5 and Fig. 6 To install the column on the standing frame, first unscrew the screws (1) and then place the pin (2) in the opening of the system profile holder (3). When aligning the column, make sure that the distance between the foot platform supports and the frame profiles (see Fig. 6.) is even. The last step of the installation is tightening the frame to the column with the previously unscrewed screws (1).

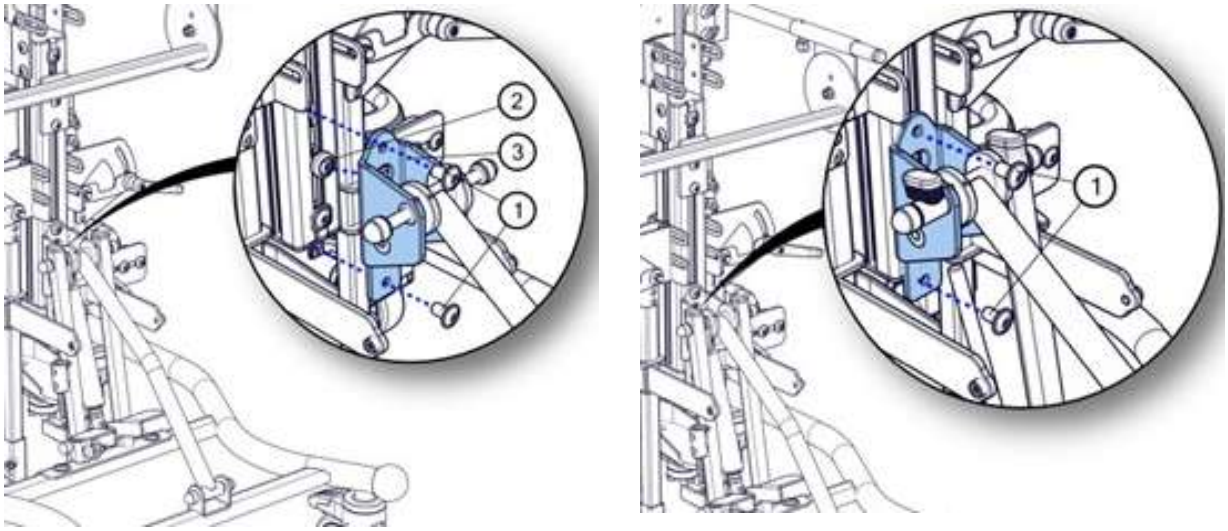

Fig. 5

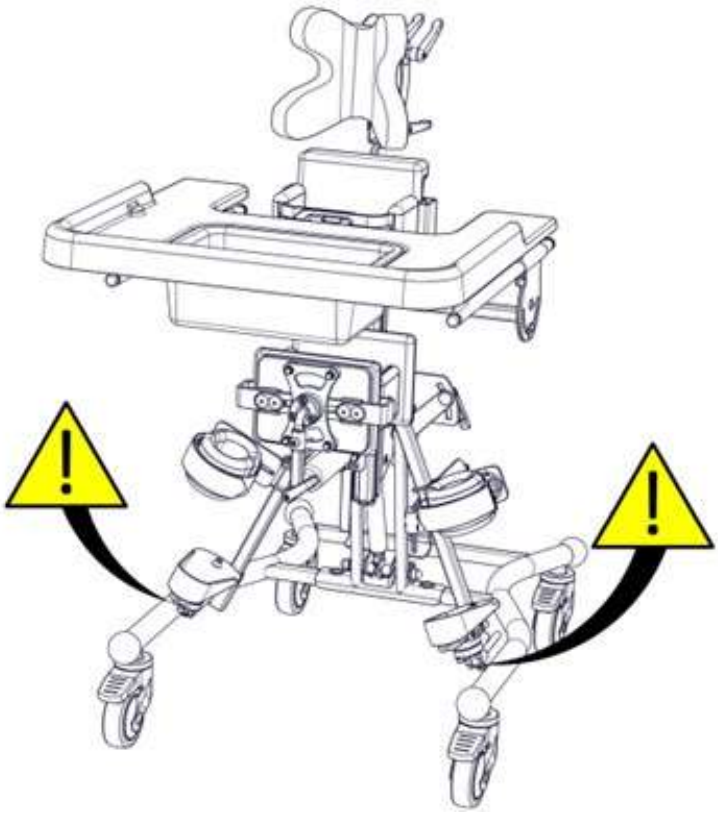

Fig. 6

10.3 Wheels

Fig. 7 The support frame of the stander is equipped with a set of wheels allowing the device to move indoors. To ensure the safety of the patient, each wheel is equipped with brakes blocking the movement of the wheel. Due to safety reasons, the wheels should be blocked when using and adjusting the device. When moving the device, special caution must be taken when moving through door thresholds or other obstacles.

To lock the wheel brake (1), press the brake lever (2) into the lower position. To unlock the brake, pull the same lever upwards.

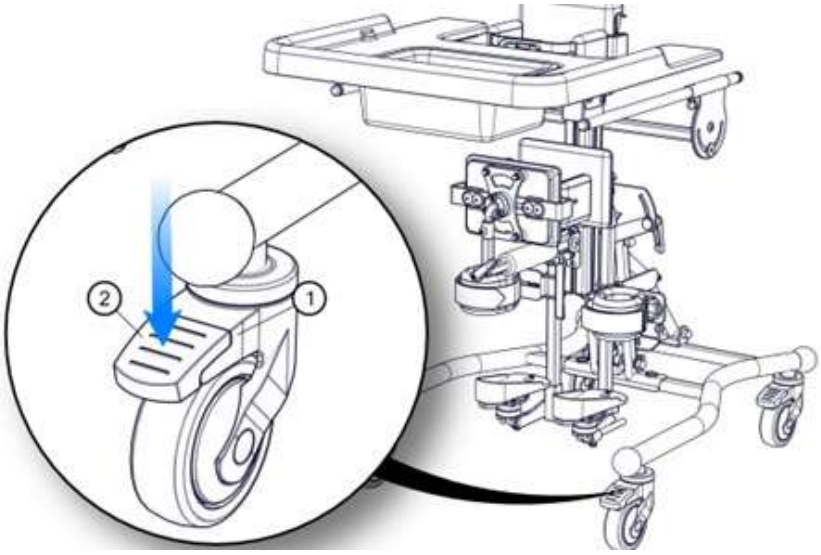

Fig. 7

10.4 Main trunk/pelvic support

Fig. 8 The trunk and pelvic support is the main support for the patient. For accurate adjustment to the patient, adjust the position of the support (1) by loosening the screws (2). The pelvic support can be adjusted in 3 directions: top-down, depth and angled in the lateral plane. Once in the desired position, retighten the screws (2).

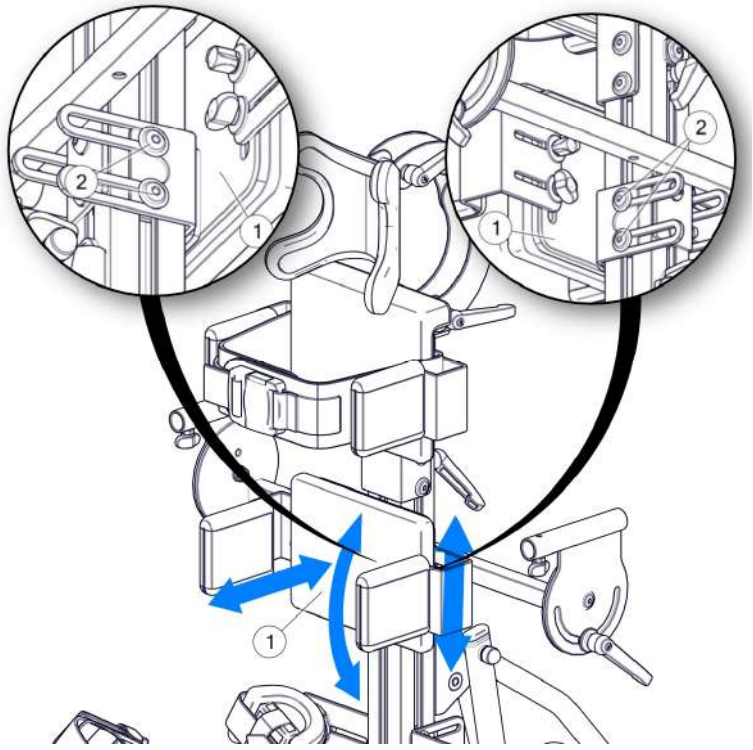

Fig. 8

10.5 Lateral support (trunk or pelvic support)

Fig. 9 Lateral support is used to support the patient at trunk and pelvic height. To accurately adjust the height to the patient, adjust the position of the support (1) by loosening the screws (2). The trunk support can also be adjusted in terms of support depth and angle in the lateral plane. To adjust the depth of the support, loosen the screws (3). Once in the desired position, retighten the screws (2) and (3).

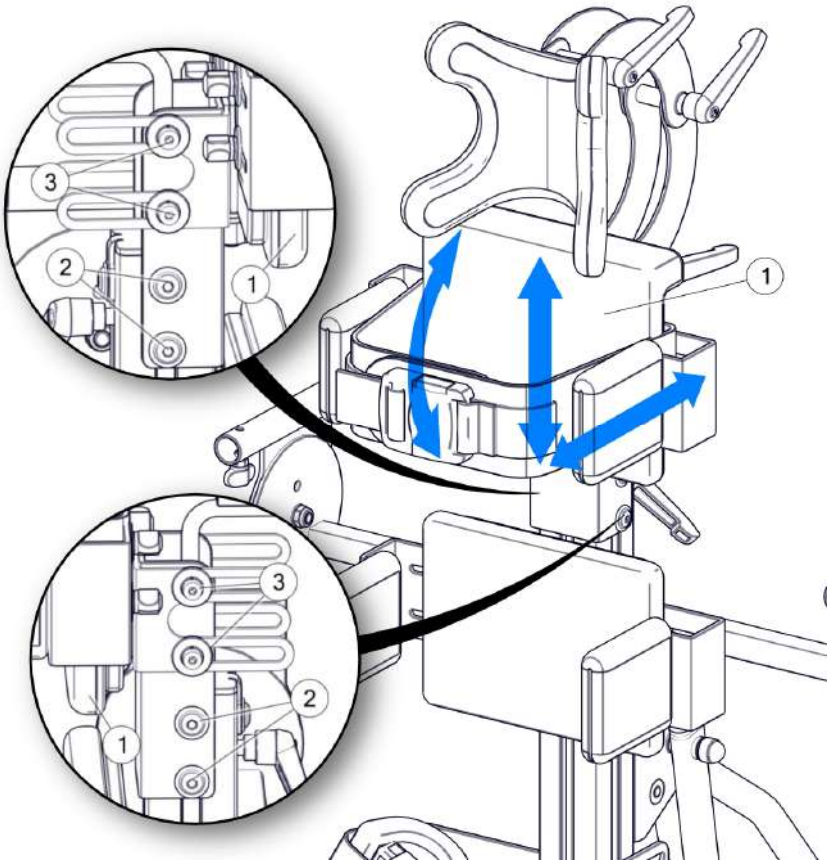

Fig. 9

10.6 Adjustment of trunk and pelvic lateral supports

Fig. 10 Both trunk and pelvic lateral supports ensure patient stability. The supports are mounted independently which makes it possible to set each support separately.

To adjust the width of the support, loosen the knob (2) (it is not necessary to unscrew it completely) and set the supports in the desired position. After completing the adjustment of the support's position (1), tighten the knob (2) until you feel resistance.

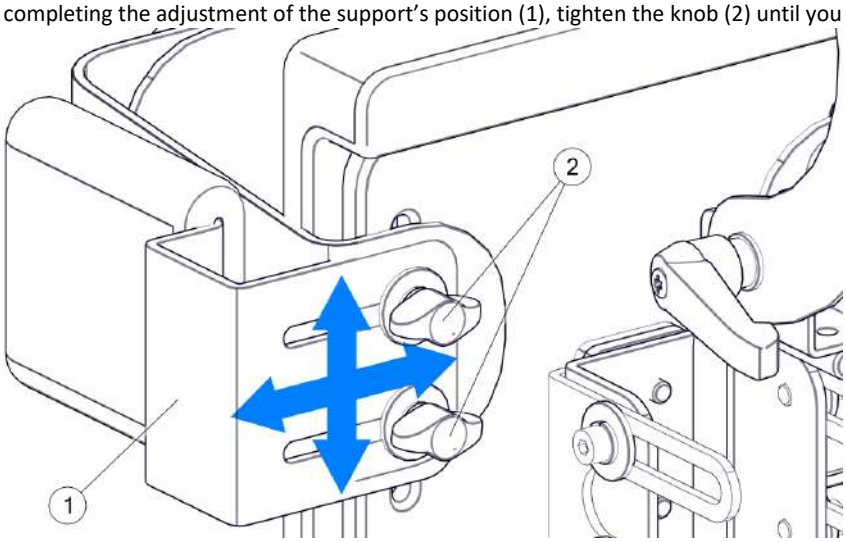

Fig. 10

10.7 Trunk and pelvic positioning strap

Fig. 11 The trunk strap allows for stable patient support at trunk height. To release and fasten the strap buckle (1), use the lock button (2) on the upper part of the buckle. The same system is for pelvic fastening.

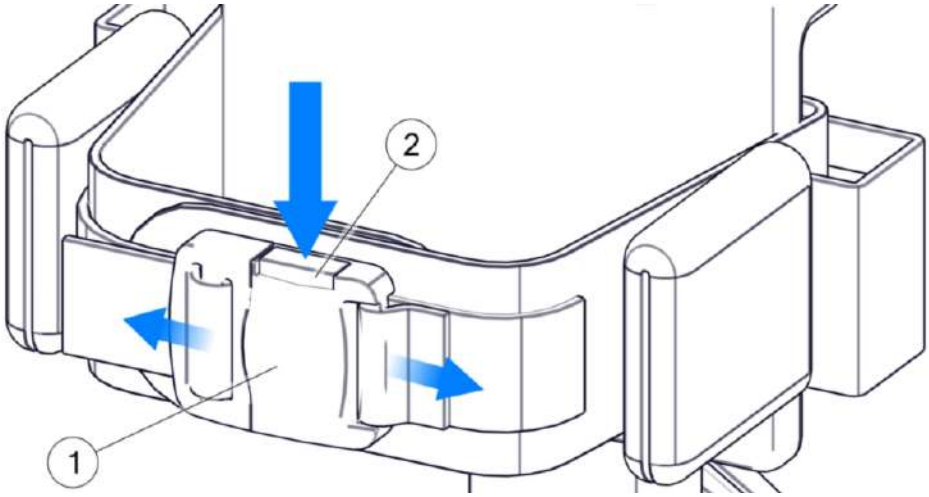

Fig. 11

10.8 Knee support

Fig. 12 Adjust the knee supports setting (1) by loosening the screws (3) and then moving the knee pad holder (2) to the desired position. Horizontal position and knee pad rotation (3) can be set after loosening the screws (4). After completing the adjustment, tighten all screws.

Adjustment should be carried out for each knee support separately.

ATTENTION! After each adjustment of the knee pad, make sure that all adjustment screws are securely tightened. Unscrewed elements may cause the adjustable elements to shift automatically, which may result in injury to the patient.

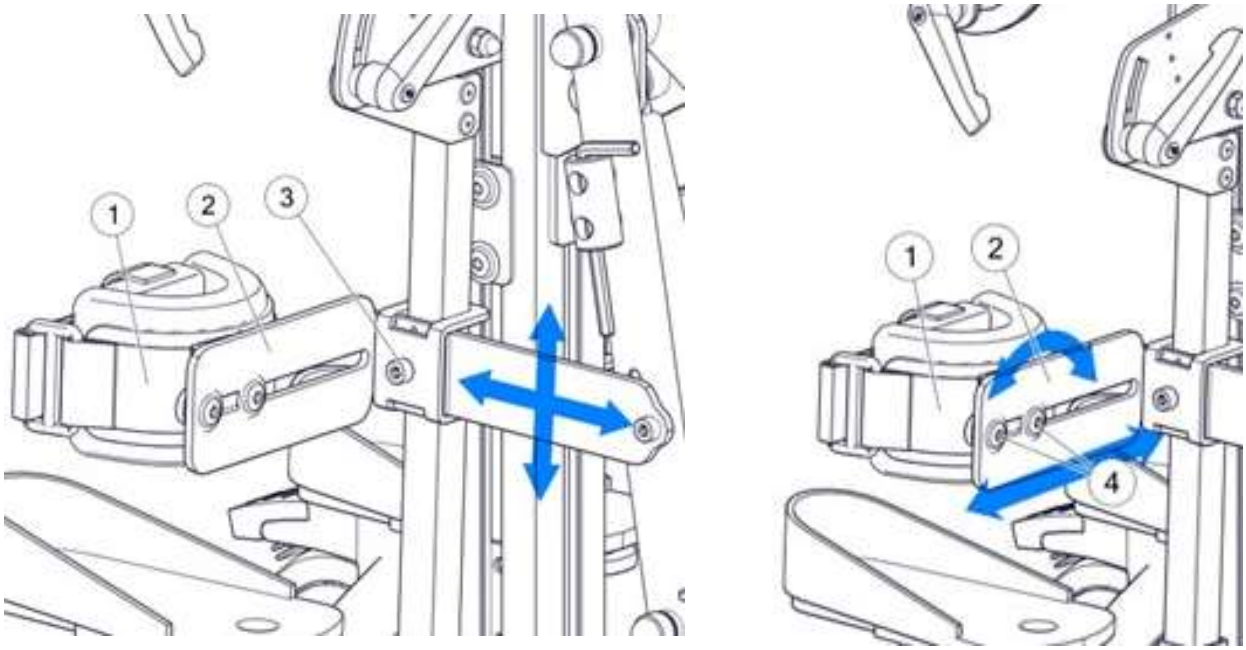

Fig. 12

10.9 Knee supports mounting for prone and supine positioning

Fig. 13 The Stander allows both backward and forward upright standing. To perform the correct type of upright positioning, you need to fit the knee pads according to the upright position in the correct direction. To change the position of the knee-pad to the correct upright position (1), unscrew the screws (3), then turn the knee pad by 180 degrees. In the next step, remove the screw (3).

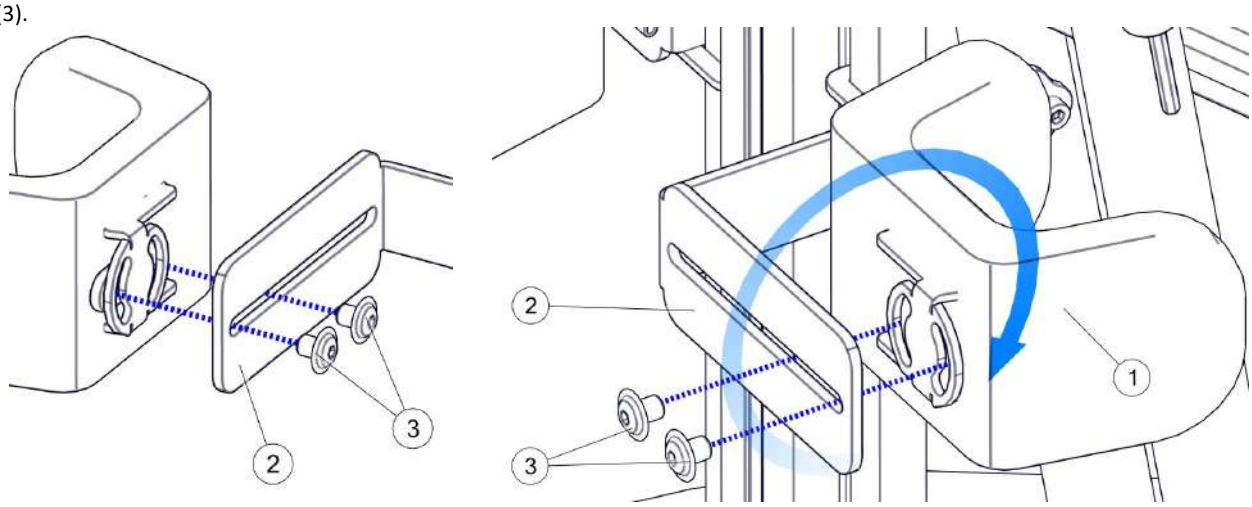

Fig. 13

10.10 Foot platforms

The foot platforms used in the stander are fully adjustable in three planes. The tilt angle of the platform is also adjustable. To ensure the most precise adjustment to the patient's needs, each platform is adjusted separately.

ATTENTION! After each adjustment of the foot platform, make sure that all adjustment screws are securely tightened. Unscrewed elements may cause the adjustable elements to shift automatically, which may result in injury to the patient.

10.10.1 Adjustment of height and tilt of foot platforms

Fig. 14

The foot platforms used in the stander enable full adjustment of the patient's foot position. To adjust the height and angle of the foot platform, loosen the screw (1). Then move the platform support along the guide of the stander column. Once the desired position is reached, lock the platform position by tightening the screw (1).

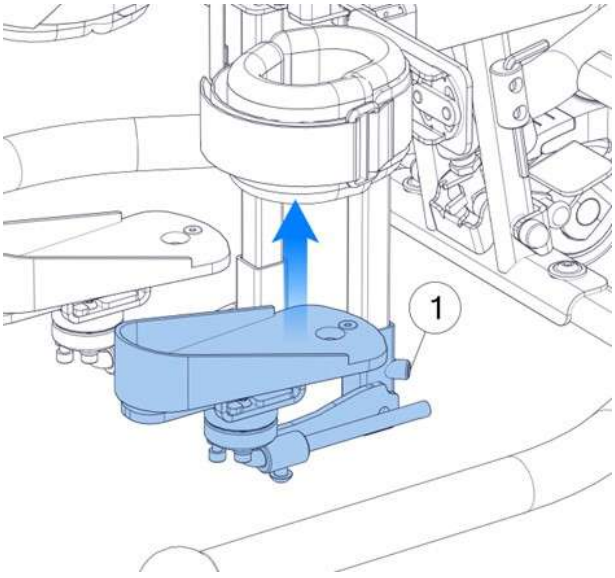

Fig. 14

10.10.2 Adjusting the spacing and inclination of the foot platforms

Fig. 15 Adjustment of the inclination of the foot platforms (1) is possible by loosening three screws (2). The adjustment allows the platform to be angled in 3 planes. When the adjustment of the platform position is complete, tighten the screws (2).

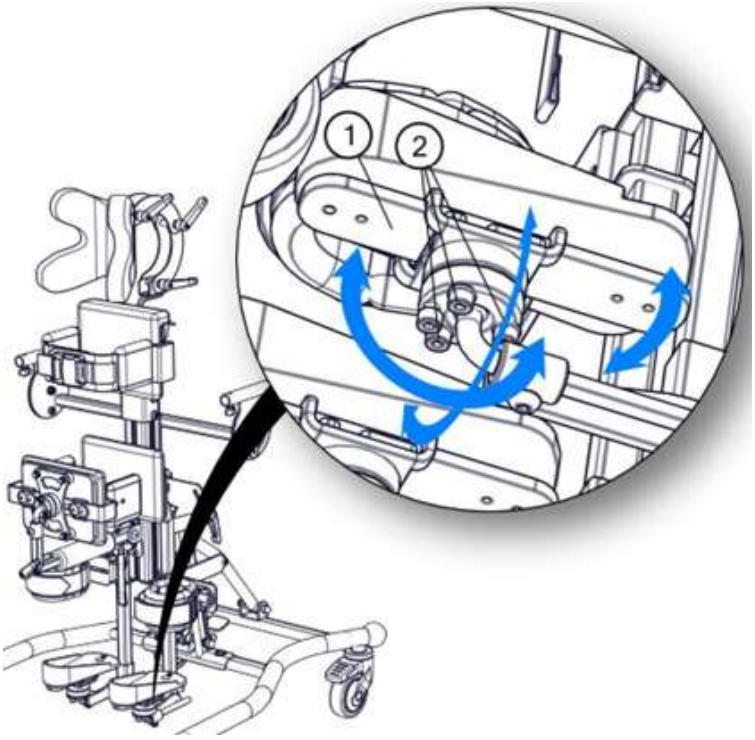

Fig. 15

10.10.3 Adjustment (front-back) and rotation of the foot platform

Fig. 16 Adjustment (front-to-back) of the foot platform is possible by loosening the screws (1). The adjustment allows the foot platform to be moved in the (forward-backward) direction. After adjusting the position of the platform, tighten the screws (1).

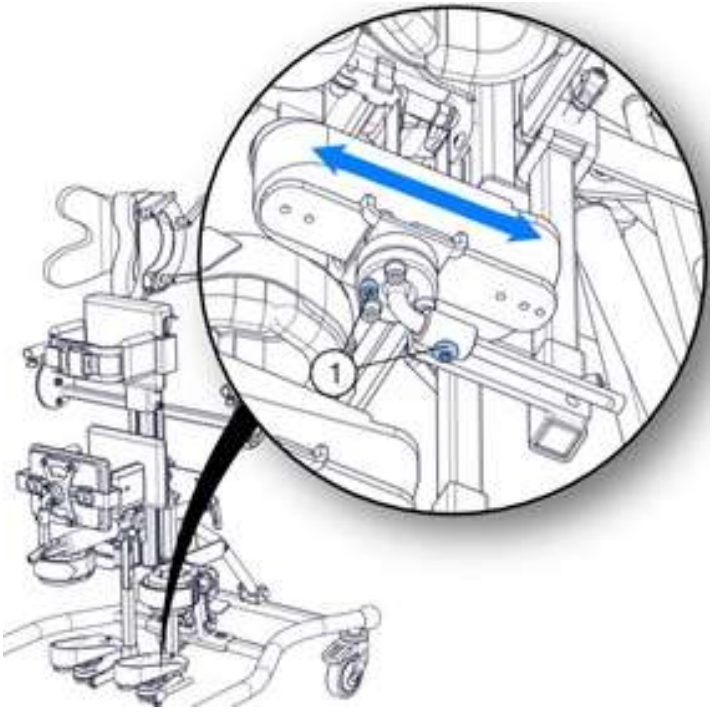

Fig. 16

10.10.4 Installation of platforms in forward and reverse vertical position

The stander allows upright standing both backwards and forwards. In order to carry out the correct type of upright standing, the foot platforms need to be correctly positioned in the right direction To change the direction of the foot platforms (3), loosen the screw (2) and loosen the screw (1), then rotate the platforms 180 degrees. In the next step, screw in the screw (2) and tighten the screw (1).

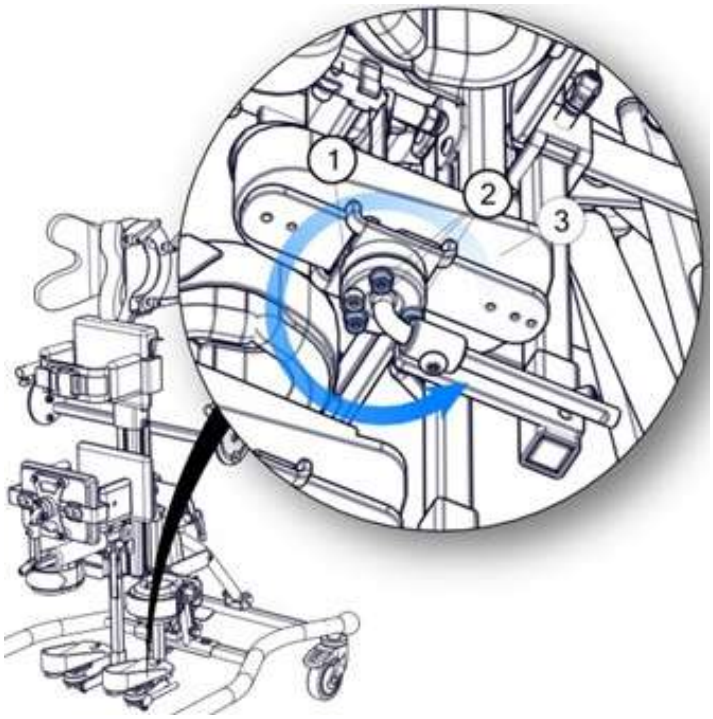

Fig. 17

10.11 Vertical position

Fig. 18 The patient should always be placed in vertical position with the base wheel brakes locked. The brakes prevent accidental shifting of the device, which could cause uncontrolled repositioning and injury to the patient. The change of position (verticalization) is supported by the gas spring force. When changing position, it is necessary to fully control and limit the automatic movement of the device by holding the device by pelvic or trunk support.

To change the patient's verticalization angle, press the release pedal (1) with your leg to release the spring and adjust the position. When performing the adjustment, pay particular attention to the area between the column, base and footrest supports. No objects should be located there, as they may block the movement of the device, resulting in damage to the device or trapping and injuring the patient or the device operator. To lock the adjustment, release the pedal (1), which will lock the gas spring and immobilize it in position.

ATTENTION! When adjusting the verticalization angle, special attention should be paid to the possibility of limbs being trapped by moving parts.

ATTENTION! After each adjustment of the verticalization angle, make sure that the gas spring is locked and that the pelvic and trunk support position does not shift automatically.

ATTENTION! When placing the patient in a vertical position, the device's wheel brakes should be locked. Uncontrolled movement of the device may cause injury or trauma to the patient.

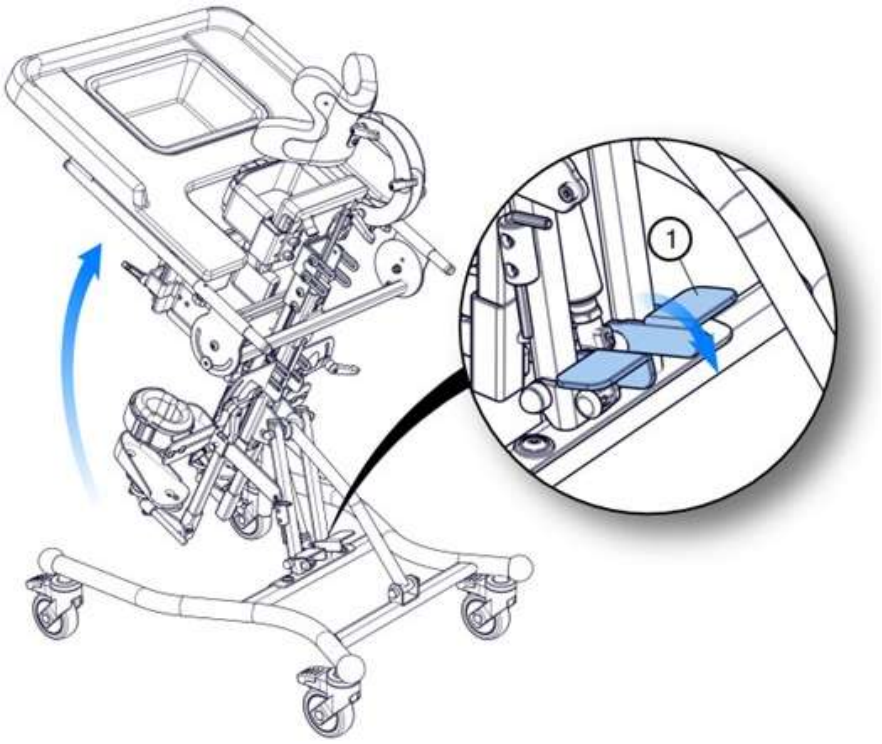

Fig. 18

10.12 Lower limbs abduction

See Fig. 19

Lower limbs abduction is adjusted independently for the right and left side, using the knob (1). By loosening the knob (1), you can move the footrest supports (2) by demand angle.

ATTENTION! When adjusting the verticalization angle, pay particular attention to pinching points at movable parts.

ATTENTION! ONLY A PHYSICAL THERAPIST OR A TRAINED PERSON CAN ADJUST AND MATCH THE DEVICE TO THE PATIENT.

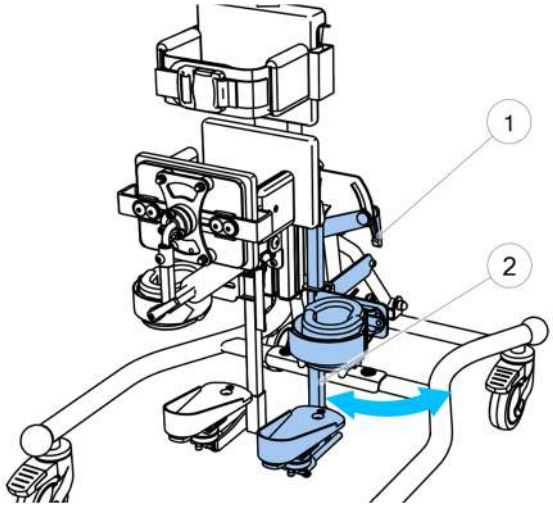

Fig. 19

10.13 Blocking the release button.

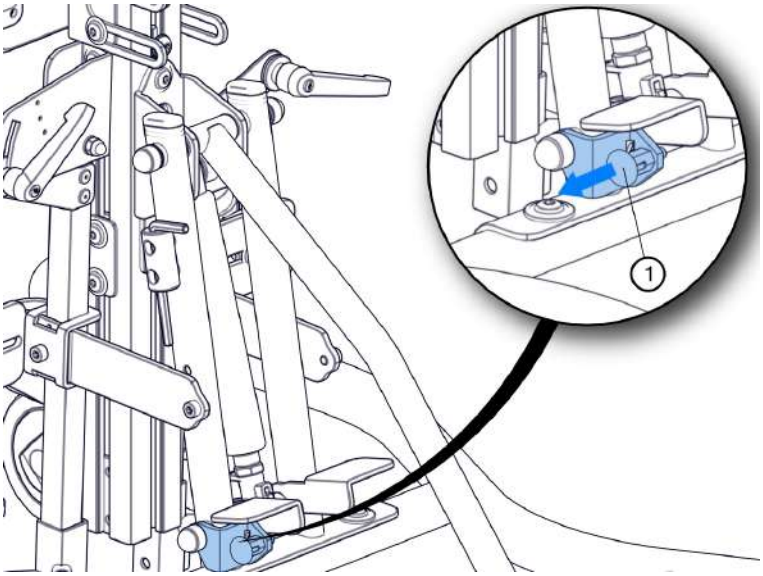

Fig. 20

Fig. 20 Lori stander is equipped with a release button for verticalization. To open the blockade of the release button, move element 1, and then turn it by 90 degrees. To close the blockade, do these steps in reverse order.

ATTENTION! Do not leave the patient on the stander with an open blockade of the release button.

11 Accessories

11.1 Tray

Lori can be equipped with two types of tray. Acrylic tray or Tray with bowl and cover.

11.1.1 Adjustment of the tray tilt angle

Fig. 21 In both trays to adjust the tray tilt angle (1), loosen the screws (3) and the adjustment handles (2). Once the angle has been set, tighten the handles (2) and screws (3) to lock the tray top in position.

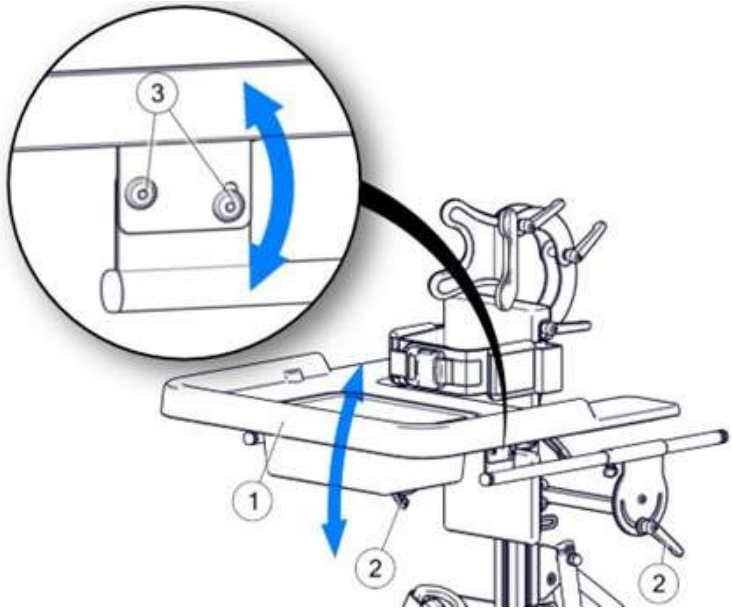

Fig. 21

11.1.2 Adjustment of the height and the front-back position of the tray

In both trays to adjust the front-back position of the tray, loosen the knob (4), which allows you to move the arms (3) of the table. The height of the tray is adjusted by loosening the screws (2), which makes it possible to move the entire table structure in the vertical axis.

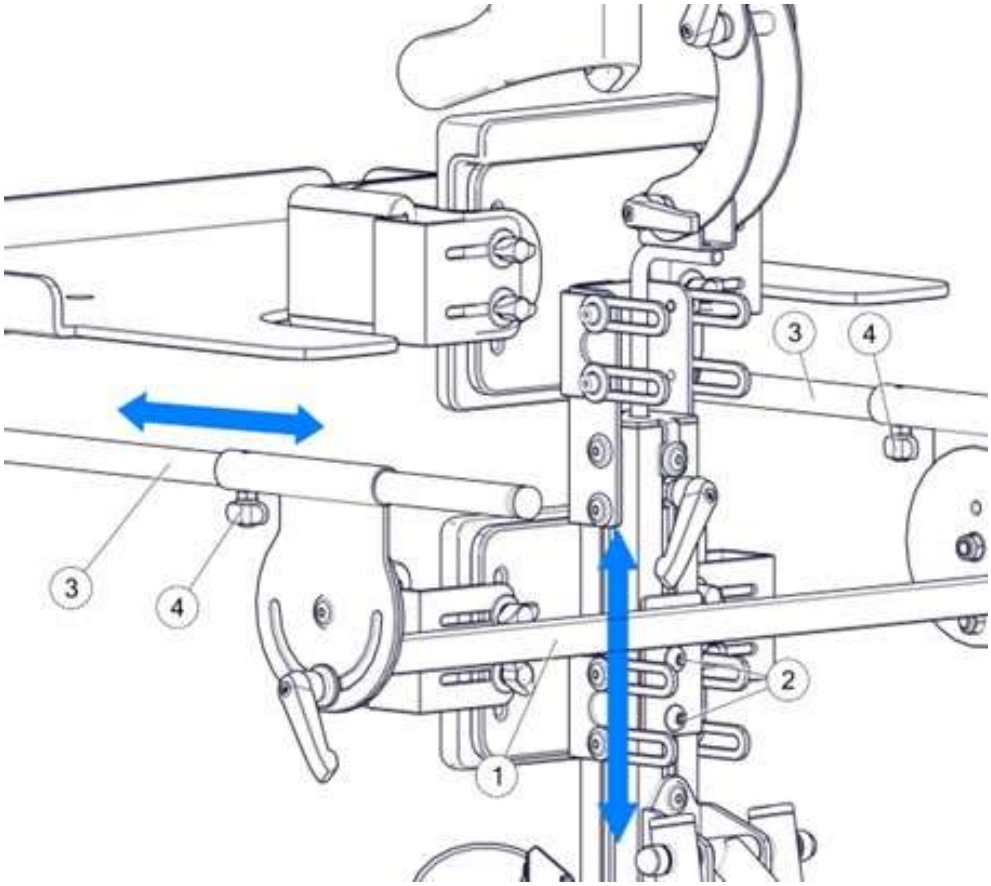

Fig. 22

ATTENTION! When the tray is disassembled from its mounts, there is a potential risk that the finger might get trapped in an unsecured tray mount. For safe use of the Stander without a tray in place requires the disassembly of the tray mount.

11.1.3 Padding for elbows

Fig. 23 On trays there is possibility to apply pads for elbows depend on which tray is used and how.

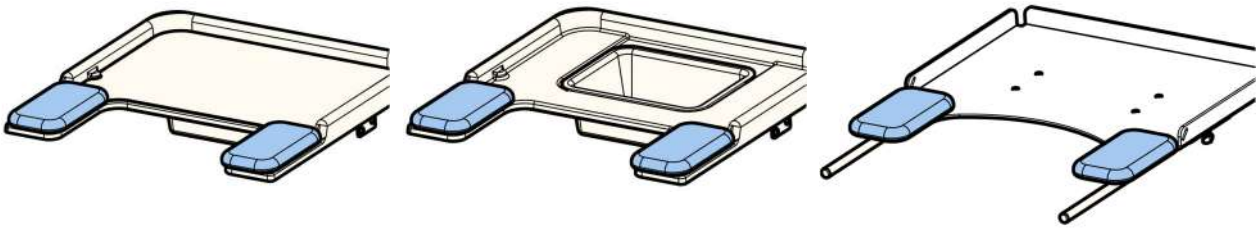

Fig. 23

Fig. 24 Pads are mounted on a tray with Velcro.

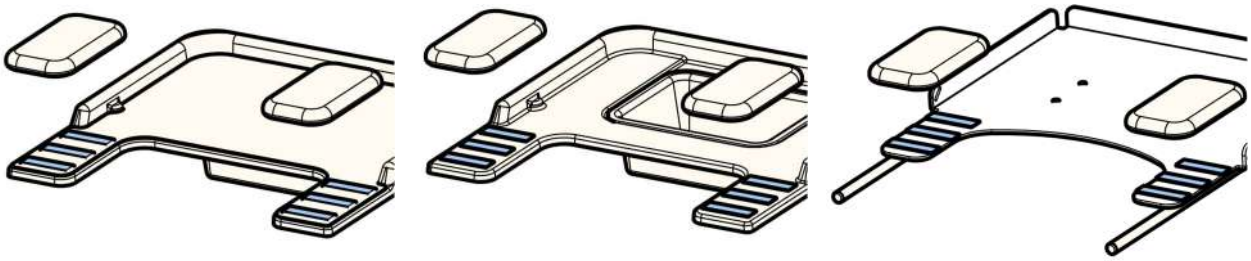

Fig. 24

On a tray that pads were never mounted pads can be applied (Fig. 25). To apply pads three strips of Velcro on each side of the tray in elbow places. A set of six strips of sharpie Velcro with lengths of about 9 cm is included. After cleaning, arrange the Velcro so that it does not protrude beyond the outline of the protruding part of the table and fits within the outline of the applied padding. Then glue the Velcro in place. The Velcro has an adhesive layer secured with tape. Tear off the tape and glue the strips in the predetermined places.

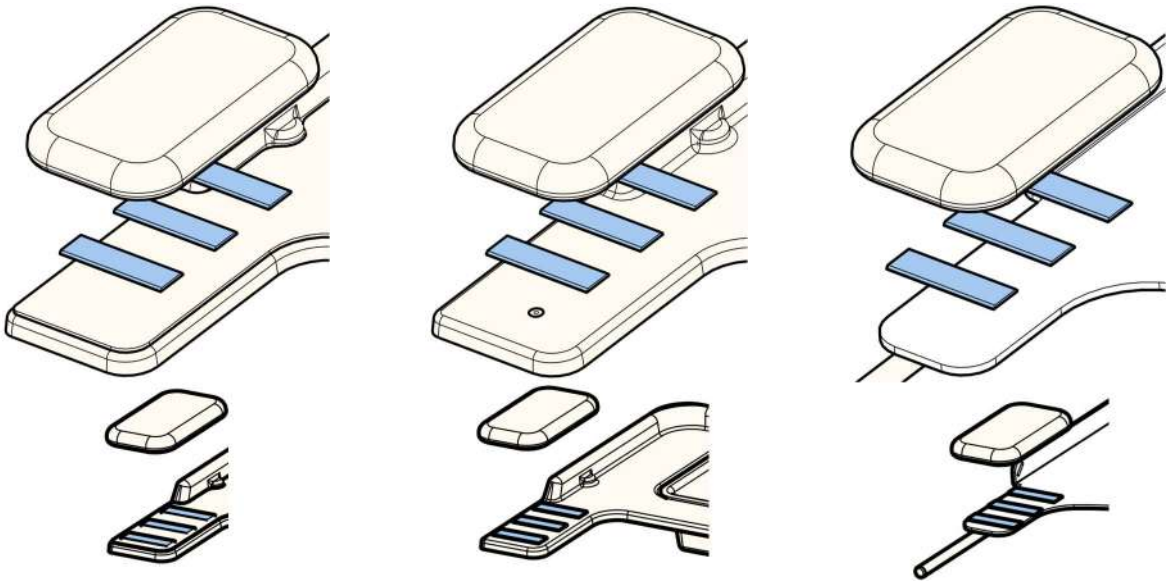

Fig. 25

11.2 Headrest for supine position

Fig. 26 and Fig. 27 To install the headrest, insert the headrest holder rod (1) into the opening in the upper part of the stander column. Then adjust the height of the headrest and use the knob (2) to prevent the headrest from sliding out.

ATTENTION! After each adjustment of the headrest, make sure that all adjusting elements are securely tightened. Unscrewed elements may cause the adjustable elements to shift automatically, which may result in injury to the patient.

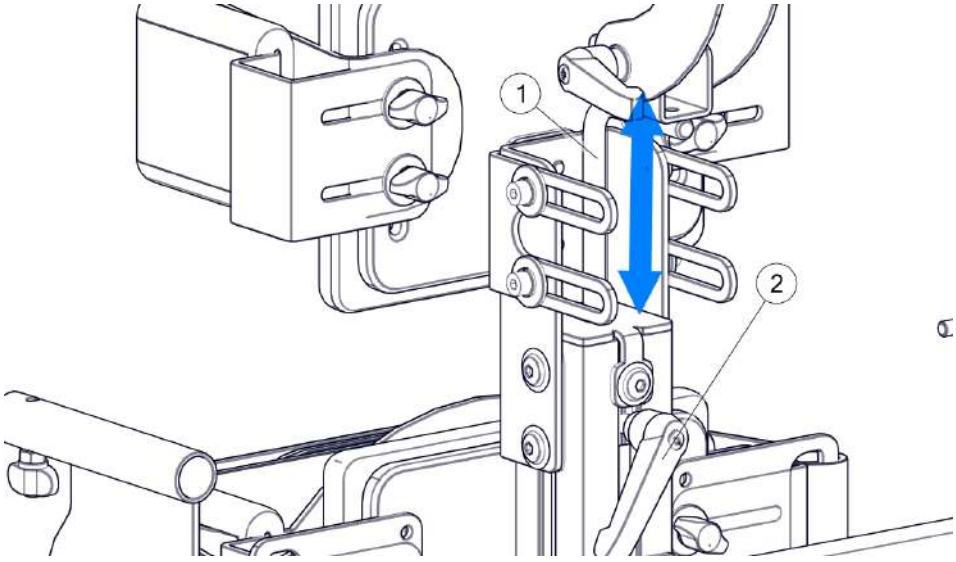

Fig. 26

To adjust the headrest (1), loosen the adjusting knobs (2), move the headrest to the desired position and tighten the knobs (2).

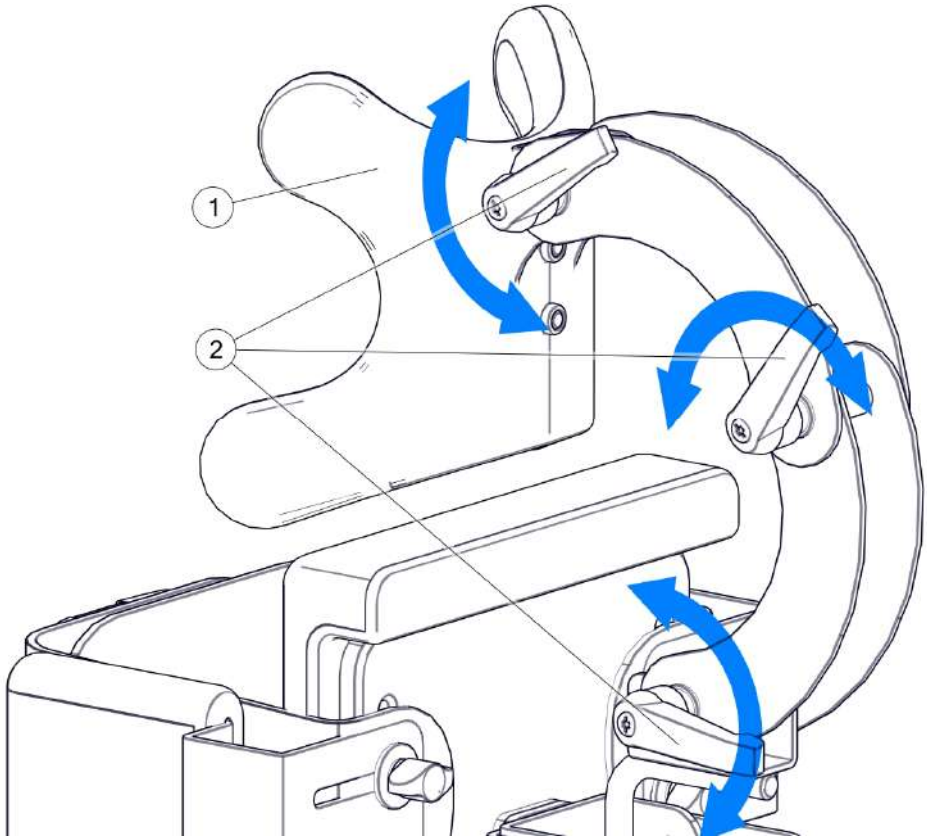

Fig. 27

11.3 Pelvic positioning strap

Fig. 28 and Fig. 29 The pelvic positioning strap is an additional option allowing to stabilize the patient at pelvic height. To install the strap, remove the pelvic supports (1) by loosening the knobs (2). Then use the knobs (2) to screw in the pelvic strap support (3).

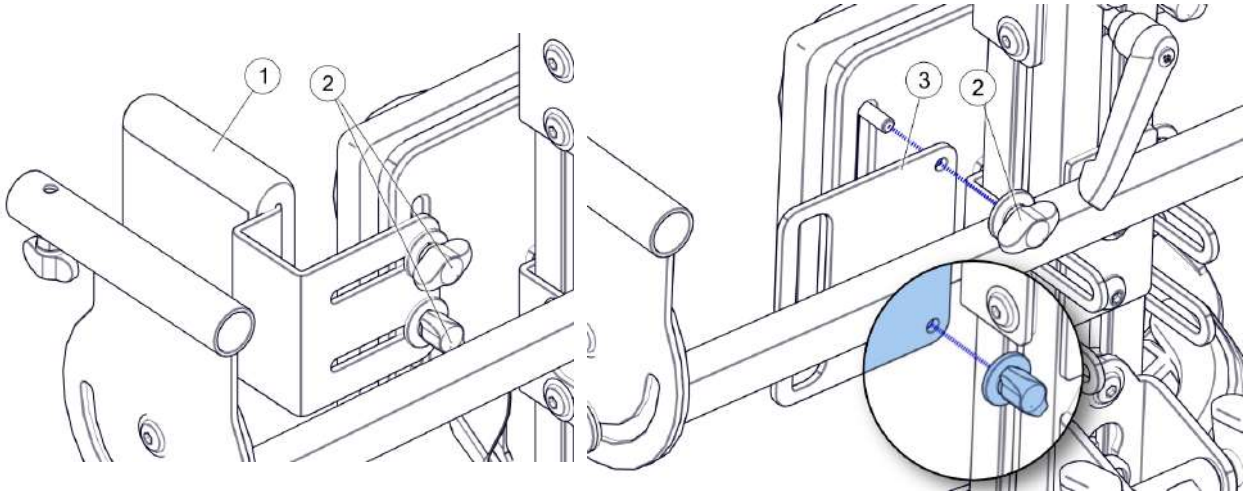

Fig. 28

Finally, pass the belt (4) through the slots in the pelvic positioning strap support (3). To release and fasten the strap buckle, press the buckle locking button (5) on top of the buckle.

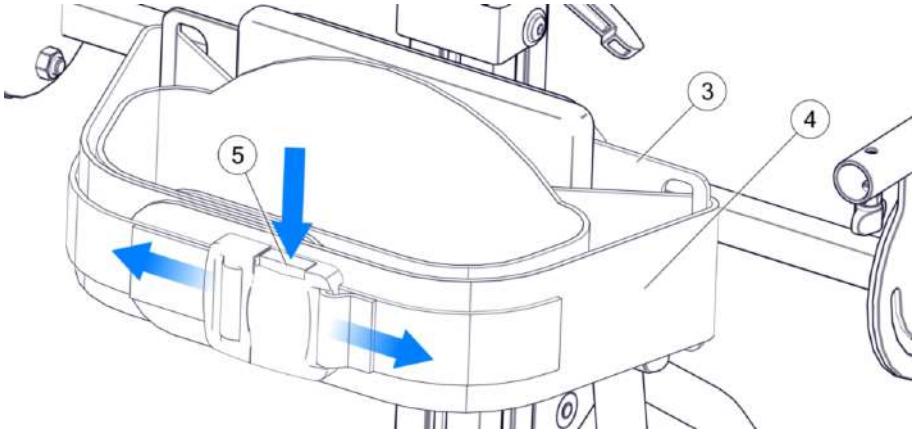

Fig. 29

11.4 Elbow blocks

Fig. 30 In the case of rear verticalization, elbow blocks are sometimes required for the safety and comfort of the user.

The Lori stander offers an accessory that makes this possible. To adjust the front angle, loosen the knobs (4), then set the required angle and tighten the knobs when the adjustment is complete. To change the depth and tilt in the upper plane, loosen the screws (3). After adjusting the angle and depth, tighten the screws (3).

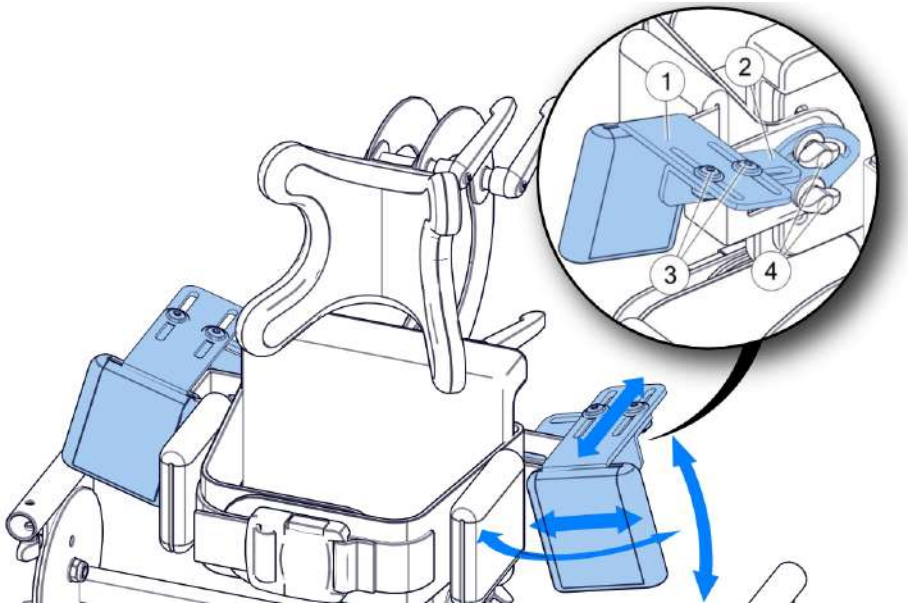

Fig. 30

11.5 Fastened Swing Away lateral supports (flip away laterals)

11.5.1 Swing Away lateral supports

See Fig. 31 Lift the support (1) and tilt it. Proceed with the second support in the same way. The tilted supports make it easier to place the patient in the device. To re-fasten the Swing Away supports, tilt them back until they snap back into their base position. The Swing Away supports can be adjusted in two directions by loosening the knob (2) and tightening the knobs (2) after adjustment (2) When the device is not fitted with a belt, skip the first step and start by lifting the lateral support.

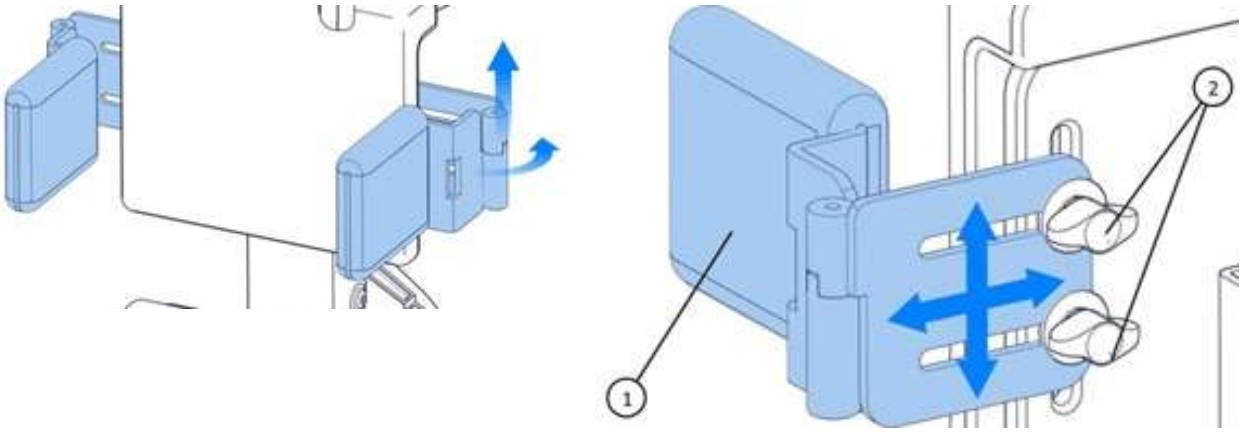

Fig. 31

11.5.2 Swing Away lateral supports with belt

See Fig. 32 To release the support, press the red button of the buckle, then follow the steps in the section above.

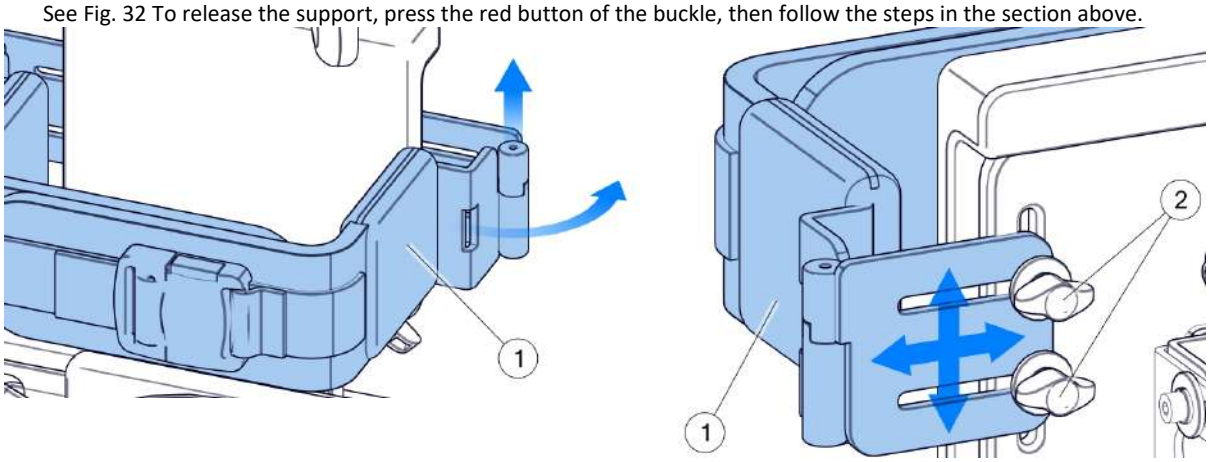

Fig. 32

11.6 Installation and adjustment of the vest

Fig. 33 To fix the vest, start with mounting the adapters, which can be screwed in the place where the trunk and pelvic supports can be fixed. After fixing the adapters, pull the vest belts through the buckles in points 1, 2, 3 and 4, as shown in the figure below.

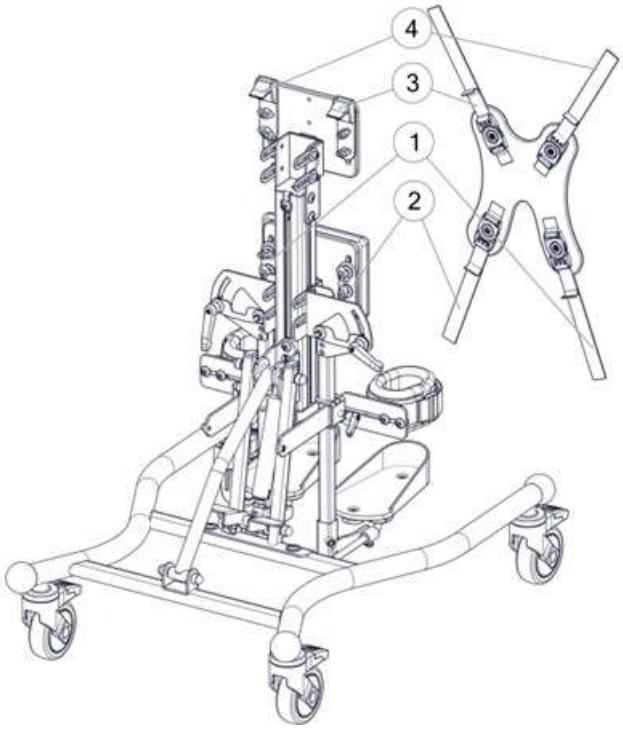

Fig. 33

11.7 3D back rotational support with pelvic supports

Fig. 34 To fix the back support, start with placing the caps (2) in the hole of the stander column. After inserting the caps, fix the back support handle with screws (1). The handle should be placed at the right height, depending on the height of the patient, and then tighten the screws (1).

Fig. 35 Before placing the patient in the stander, it is important to remove the back support. To do so, please unscrew the knob (1) and pull out the back support. Then, we fold the blocking element of the back support bracket, unhooking it from the handle by pulling it away with the strip (2).

ATTENTION! Carefully check whether the blocking element of the back support is properly set within the handle. Inaccurate setting of the blocking element in the handle may lead to automatic disconnection of the blocking element, which in consequence may result in folding of the back support and the patient may lose his or her stability, and this may lead to injuries.

ATTENTION! When adjusting the disconnection of the back support bracket, it is crucial to remain particularly careful, as moving elements may cause hand injuries.

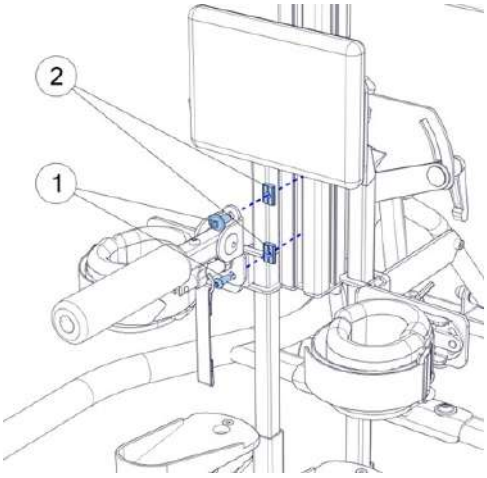

Fig. 34

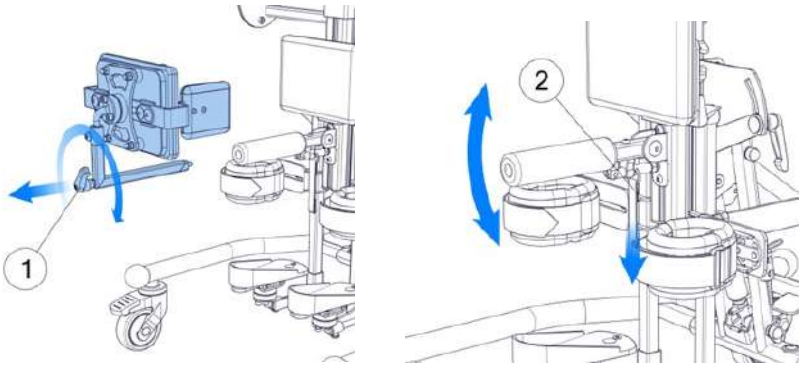

Fig. 35

After placing the patient in the device, fix the back support bracket and block it. The back support bracket enables precise adjustment within all planes. After setting the depth of the back support, tighten the knob (1) (Fig. 35) and hence block the possibility to pull out the back support. The maximum distance of the depth of the back support is indicated with the “MAX” mark. The height of the back support may be adjusted by loosening the screw (2) (Fig. 36). After adjusting the height of the back support, block the back support by tightening the screw (2) to the limit. Precise adjustment of the plane of the cushion supporting the back can be obtained through loosening the screws (1) (Fig. 28), and then it is crucial to adjust the location of the back support and tighten the screws once again (1).

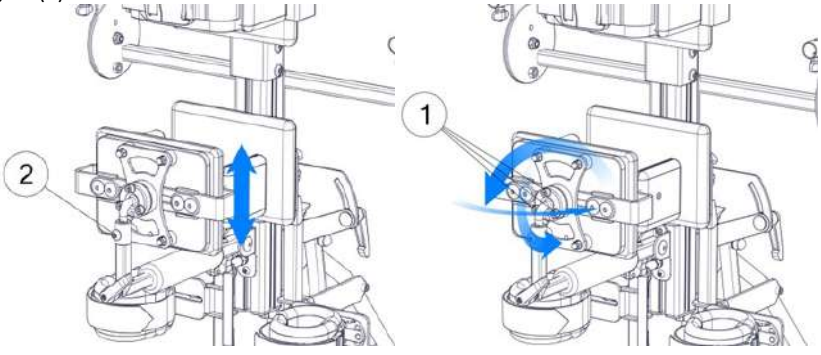

Fig. 36

11.7.1 Adjustment of the pelvic supports of the back support

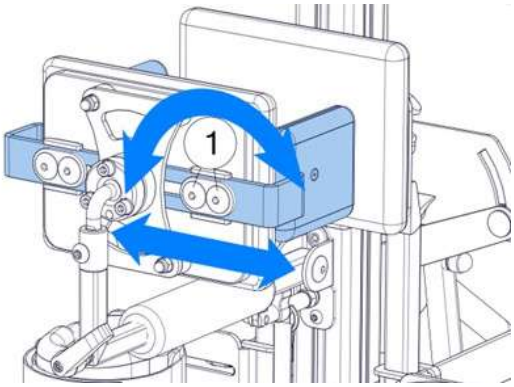

Fig. 37

Fig. 37 Pelvic supports of the back support can be adjusted within the scope of their width, as well as abduction angle. To make the adjustment, loosen the screws (1), set the width of the back and the angle, and then tighten the screws.

11.8 Installation and adjustment of the head support for prone stabilisation.

Fig. 38 Prior to fixing the head support for prone stabilization, remove the upper part of the back support by loosening the screw (1). Place the head support on the adapter of the back support and then tighten the head support with a screw (2).

Fig. 39 The head support is fully adjustable, as far as depth, height and sides are concerned. Proper adjustments can be made by loosening screws (1), (2), (3) and (4). Loosening screw (1) allows adjusting the angle of the head support. Screw (2) allows adjusting the head support in the up-down axis. Screw (3) enables you to adjust the head support to the sides. Handles (4) allow adjusting the angle of the head support, along with its depth.

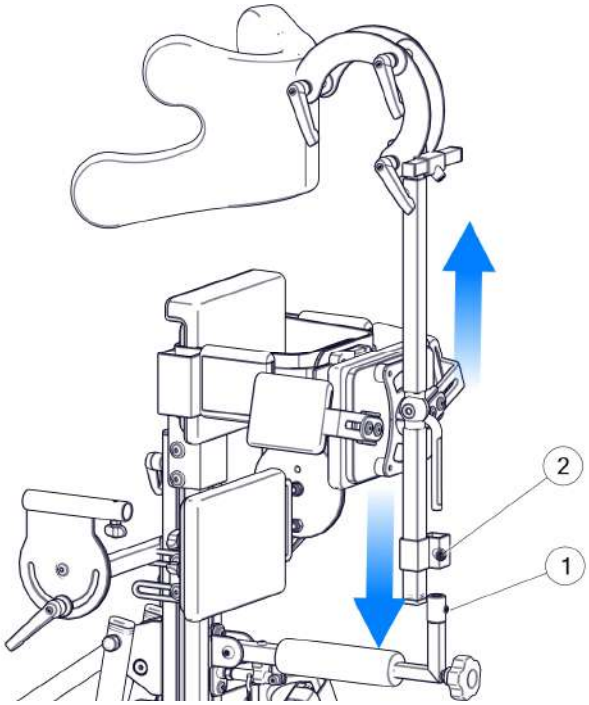

Fig. 38

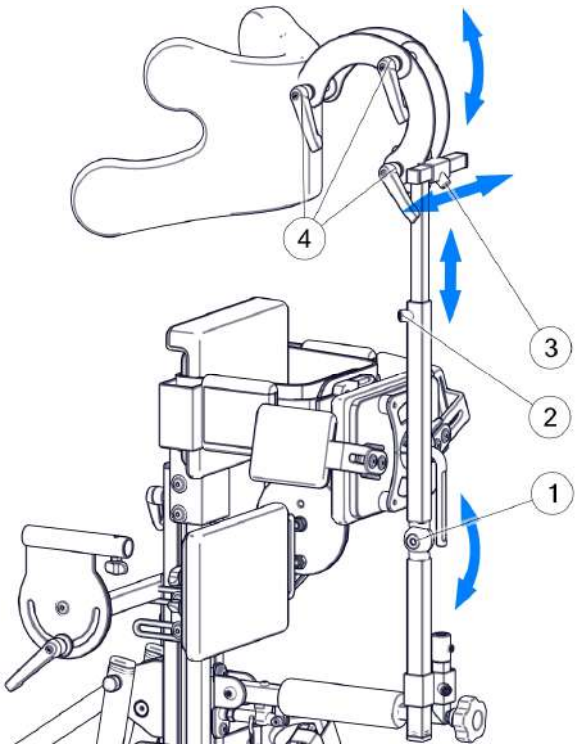

Fig. 39

12 Spare parts and consumables

The manufacturer does not provide for the replacement of components by the end customer. Repairs and replacement of components should be carried out by technically competent persons so as not to damage the equipment or pose a risk to life or health during replacement.

The equipment does not provide for the use of consumables in the sense of parts replaceable by the target customer.

Contact your distributor or the manufacturer's customer service department for replacement parts. See the warranty and service section for contact information.

13 Troubleshooting.

When the swivel wheels do not turn to turn, check that the swivel lock is not active.

When the swivel-wheel unit has difficulty moving, check that the wheels are not blocked by intermediate components or pedals blocking rotation or turning.

Adjustments are described in the use and adjustment section.

14 Cleaning and maintenance

LORI Stander is a mechanical device with a supporting structure made of steel and aluminum covered with a powder coating. A sponge-foam insert is attached to the metal structure and fitted with a cover made of textile fabrics.

The LORI stander, like any medical device, should be kept clean and used according to the manufacturer's recommendations.

All surfaces should be wiped with a damp, soft cloth. For heavier soiling, the use of mild household cleaning products is acceptable.

14.1 Cleaning and maintenance recommendations

Cleaning should be carried out whenever the appliance has been excessively soiled. Clean the appliance with such frequency that the upholstered parts and the frame and other parts of the appliance are not hazardous to health.

- Clean paint coatings with a cloth dampened with water. The use of mild agents for cleaning household appliances is allowed.
- You should systematically look after the frame, remove dirt and mud from moving parts.
- Do not use aggressive cleaning agents. Possible corrosion or damage to paintwork.

Guidelines for washing velour fabric upholstery:

- Remove the foam inserts from the covers before washing.
- Wash the covers by hand or in a washing machine (tumble) at 30°C.
- Use detergent for delicate products in the amounts specified on the package.
- For children prone to allergies, use gray soap or special detergents.
- To remove excess water - use a short spin cycle, do not wring.
- Drying - hang to dry at room temperature. DO NOT TUMBLE DRY.

Guidelines for cleaning wipeable medical upholstery:

- Upholstery can be cleaned with moist damp cloth and a mild detergent.
- If any circumstances upholstery can't be cleaned this way it should be cleaned by disinfection with 25% ethanol.

ATTENTION! WHILE WASHING THE UPHOLSTERY COVERS, PARTICULAR ATTENTION SHOULD BE PAID TO THE VELCRO FASTENERS. TO PREVENT ANY DAMAGE TO THE UPHOLSTERY, ENSURE THE VELCRO FASTENERS ARE FASTENED DURING THE WASHING AND THAT THEY DO NOT COME INTO CONTACT WITH THE UPHOLSTERY.

ATTENTION! DO NOT WASH THE FOAM INSERTS.

The foam insert:

- Should be vacuumed mechanically or cleaned using a soft-bristled brush.
- Can be washed with a damp cloth and a mild detergent, then dried thoroughly at room temperature.

14.2 Disinfection

If the device is used by different people (e.g. in a rehabilitation center), disinfectants should be applied. For manual disinfection of metal and plastic parts of the product, INCIDIN PLUS in a concentration of 0.25% to 0.5% or similar disinfectant is recommended.

Please follow the manufacturer's instructions for use of the disinfectant.

14.3 Recommendations for maintenance

Devices should undergo regular inspections and maintenance activities listed in the table below to ensure long-lasting and trouble-free operation. If the user is unable to perform the following activities independently, they should seek assistance from a specialized medical equipment service center or contact the manufacturer's service directly. These activities are not covered under the current warranty and are performed at a cost.

Activity	Every day	Every week	Every month
Check the proper functioning of the wheel brakes	X		
Check the proper functioning of verticalization system	X		
Check the proper functioning of leg retraction mechanism	X		
Check the fastening of the vest, abduction belts, and pelvic belts	X		
Check for leaks around the gas spring		X	
Visual inspection of structural elements (damage, cracks)		X	
Check screw connections (eliminate any looseness)		X	
Check the attachment of the footrests		X	
Visual inspection of the wheels			X

15 Disposal of the product

If the user resigns from using the product, then he is obliged to dispose of the product in line with the environmental regulations. He is obliged to disinfect the device, since the product which has not been disinfected in line with the environmental protection laws is hazardous.

Disposal of the product may be:

- Carried out by a company which is in possession of the credentials required to dispose of the devices.
- In case the product is scrapped, the plastic elements shall be disposed of separately from the metal ones, in line with the requirements.
- Should any questions arise, one should address them to the local authorities, waste disposal companies or to our maintenance department.

16 Conditions of use, storage and transport

Fig. 40 Two people are required to move the Lori device. The unit should be grasped by the frame with both hands, lifted up evenly and then moved to the target location. If the ground permits, the castors fitted to the unit allow the unit to be moved.

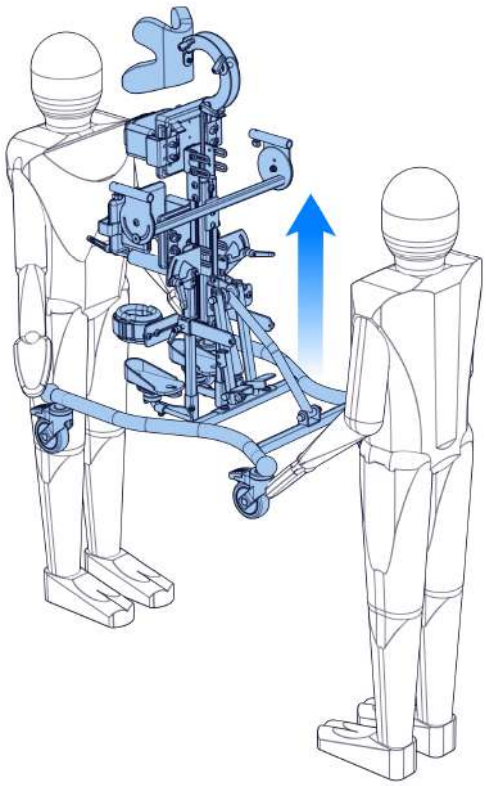

Fig. 40

ATTENTION! IT IS NOT PERMITTED TO CARRY THE DEVICE WHILE PATIENT USE THE DEVICE.

ATTENTION!: THE DEVICE IS NOT WATERPROOF. DO NOT ALLOW THE DEVICE TO COME INTO DIRECT CONTACT WITH WATER. USE THE DEVICE INDOORS AT ROOM TEMPERATURE. DO NOT EXPOSE THE DEVICE TO DIRECT CONTACT WITH ATMOSPHERIC AGENTS.

The product is intended for use in buildings.
For the necessary dimensions and weights of the unit for handling and transport, please refer to the technical data section.
Do not transport people in the unit in a motor vehicle such as a car, ship or aircraft.
Transport, handling and storage are best carried out on an empty folded product so that no damage is caused to the product, to third parties or to the transporting vehicle.
How to assemble the unit and how to remove components, if necessary, is discussed in the Use and adjustment chapter.

ENG

ATTENTION! DURING USE, THE PRODUCT MAY CHANGE THE TEMPERATURE OF THE PATIENT/USER INTERFACE DEPENDING ON THE EXTERNAL HEAT SOURCES TO WHICH IT HAS BEEN EXPOSED (E.G. SUNLIGHT)

The manufacturer does not provide for repackaging of the product except in cases of service. It is recommended to keep the original packaging for warranty purposes. The appliance should be packed in such a way that no additional damage to the product occurs during transport by the supplier/courier.

ATTENTION!

THE DEVICE CAN BE STORED/TRANSPORTED AND USED AT TEMPERATURES BETWEEN +16°C AND +30°C AND RELATIVE HUMIDITY BETWEEN 10% AND 60%; HOWEVER, IT IS RECOMMENDED THAT THE DEVICE IS STORED/TRANSPORTED AT ROOM TEMPERATURE AND HUMIDITY.

IF THE DEVICE HAS BEEN STORED/TRANSPORTED IN HIGH AMBIENT TEMPERATURES AND HAS BEEN EXPOSED TO DIRECT SUNLIGHT, ENSURE THAT THE DEVICE IS AT A SAFE TEMPERATURE FOR USE, I.E. THE CARER SHOULD CHECK THAT THE TEMPERATURE OF THE DEVICE IS NOT TOO HIGH BEFORE THE USER HAS ANY CONTACT WITH THE DEVICE.

17 Warranty/Service

If any defects or damage are noticed, stop using the device immediately and contact the seller or manufacturer. Protect a defective device to prevent the damaged area from expanding. Do not attempt to repair the unit yourself. Do not replace the original parts of the device with parts made by yourself or obtained from other sources than recommended by the manufacturer.

- If the user decides to discontinue the operation of the device, he is obliged to dispose of it in accordance with environmental regulations.
- The manufacturer determines the product life to be 5 years.
- The post-warranty service of the device is performed by the manufacturer.

Contact details of the service department:
LIW Care Technology Sp. z o.o.
ul. Golfowa 7
94-406 Łódź, Poland
www.liwcare.pl
e-mail: reklamacje@liwcare.pl
tel. : +48 42 212 35 18

- Current address details are available at www.liwcare.pl.
- Terms of the warranty have been specified in the warranty card.

LIWCARE.PL